

SENSOR ASSEMBLY FOR STRINGED MUSICAL INSTRUMENTS**ABSTRACT OF THE DISCLOSURE**

A sensor assembly for a stringed musical instrument
5 having a plurality of movable strings includes at least one
blade adapted to be disposed adjacent the strings and at least
one magnet disposed adjacent the at least one blade to generate
a magnetic field through the at least one blade. The sensor
assembly includes a primary winding disposed adjacent the at
10 least one blade to create a primary current from a disruption in
the magnetic field by the moveable strings. The primary current
creates a primary electromagnetic flux. The sensor assembly
also includes at least one secondary winding spaced from the
primary winding and being magnetically coupled to the primary
15 winding. The at least one secondary winding transforms the
primary electromagnetic flux into a secondary current adapted to
be passed out the stringed musical instrument.